



Dear Customer:

Since 1977 technological advances have allowed MULTIBUS® application performance to increase over 500%. Despite this dramatic performance increase the MULTIBUS concept remains valid. As board performance continues to increase previously negligible effects become constraints. The occurrence of many board slots in systems running at 5MHz and upward pushes the leading edge of technology. A noise free environment is required in order to provide customers with the ability to operate these specialized systems. Intel has made an addition to their backplanes.

An improvement in the iSBC® 604 and iSBC 614 Cardcage units provides enhanced noise immunity. Signal-to-signal cross-talk has been minimized by interleaving ground traces among signal and address lines on the iSBC 604 and iSBC 614 Backplanes.

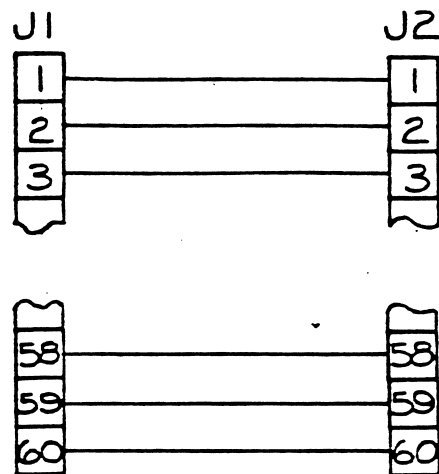
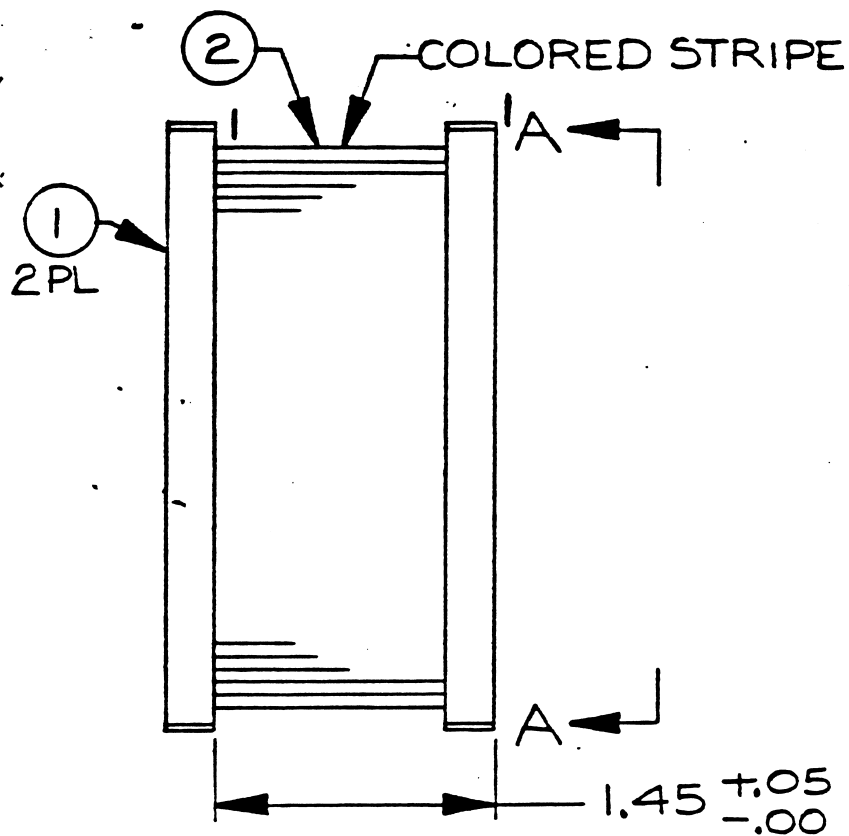
The enhanced iSBC 604/614 Cardcage units (PWA Numbers 144075-XXX and 144078-XXX respectively) provide a mechanism for connecting these ground traces from backplane-to-backplane. The iSBC 604 and iSBC 614 cardcages are fit, form and function compatible with previous iSBC 604/614 cardcage packages, but ground traces exist only on the newer products (PWA numbers listed above). Specialized systems which may require noise suppression benefits can be realized if all Cardcage units utilize ground trace technology and are connected from backplane-to-backplane.

Attached is a diagram of the 60-pin flat ribbon cable jumper which may be fabricated and used to jumper ground traces from backplane-to-backplane. Wire wrap stakes extend out of the newer backplanes for this purpose, and are outlined on the backplane in a white printed rectangle. If preferable, the ground traces brought out of the board in wire wrap stakes may be connected from backplane-to-backplane with wire wrap.

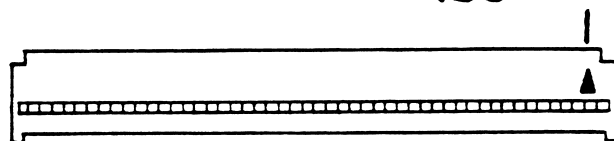
This product enhancement should offer improved backplane integrity for systems operating in the leading edge of technology. Both iSBC 604 and iSBC 614 Cardcage units now offer this improvement.

Sincerely,

OEM Systems Operation



REF. SCHEMATIC



VIEW A-A
ROTATED 90° C.W.

ITEM NO.	VENDORS	QTY.
1	3M 3334-6000 OR SPECTRASTRIP 802-060-002	2
2	3M 3365/60 OR SPECTRASTRIP 455-240-60	1.5"

CABLE, INTERCONNECT